

State Planning and Research Program Quarterly Report

PROJECT TITLE: Develop Test Bed Software to Quality Plug & Play Technology

OBJECTIVES: Develop a software suite that will be used to validate and certify candidate Spreader Controllers and AVL Equipment for compliance with the current Clear Roads Universal In-Cab Performance Specification and Communications Protocol

PERIOD COVERED: July 1 to September 30, 2018

PARTICIPATING AGENCIES: Minnesota Department of Transportation and the Clear Roads Technical Advisory Committee

PROJECT MANAGER:
Debra Fick/ Tom Peters

SP&R PROJECT NO:
MnDOT No. 132007

PROJECT IS:

LEAD AGENCY: Mn/DOT

Federal Project Number
TPF-5(218)

Planning
 Research & Development

PRINCIPAL INVESTIGATOR:
Sean Mulligan, Parsons

ANNUAL BUDGET: \$108,160.67

PROJECT EXPENDITURES TO DATE: \$ 64,502.71

WORK COMPLETED:

- Task 1 – Needs Assessment
- Task 2 – Software Suite Development

SUMMARY OF ACTIVITIES EXPECTED TO BE PERFORMED NEXT QUARTER:

- Task 3 – Pilot Test
- Task 4 – Guides and Instructions
- Task 5 – Disaster Recovery Plan
- Task 6 – Continued Support

STATUS AND COMPLETION DATE:

During the third quarter of 2018, the pilot was launched on 9/12 with an email with introduction and instructions to 21 vendor email addresses at 14 organizations provided by the committee. Since that time participation and sign ups to the portal have been minimal, which will necessitate additional outreach and an extension of the pilot period. The only organizations to sign up for the vendor portal have been Force America, Muncie Power, and Bosch Rexroth, with Bosch being the only organization to ask additional questions on the protocol implementation itself.

Parsons awaits any committee feedback on previously submitted documents. Tasks 4 and 5 are substantially complete and only awaiting feedback/changes from pilot or committee feedback.

Current Schedule for Next Quarter

- 2018-10 – Conduct Additional Outreach / Continue Pilot Test.
- 2018-11 – Continue Pilot Test.
- 2018-12 – Conclude Pilot Test.